INCH-POUND

MIL-DTL-12883/53B
18 February 2003
SUPERSEDING
MIL-PRF-12883/53A
28 June 1996

DETAIL SPECIFICATION SHEET

SOCKETS AND ACCESSORIES FOR PLUG-IN ELECTRONIC COMPONENTS, MOUNTING TRACK, FOR RELAY SOCKETS AND ELECTROMAGNETIC RELAYS

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification and MIL-DTL-12883.

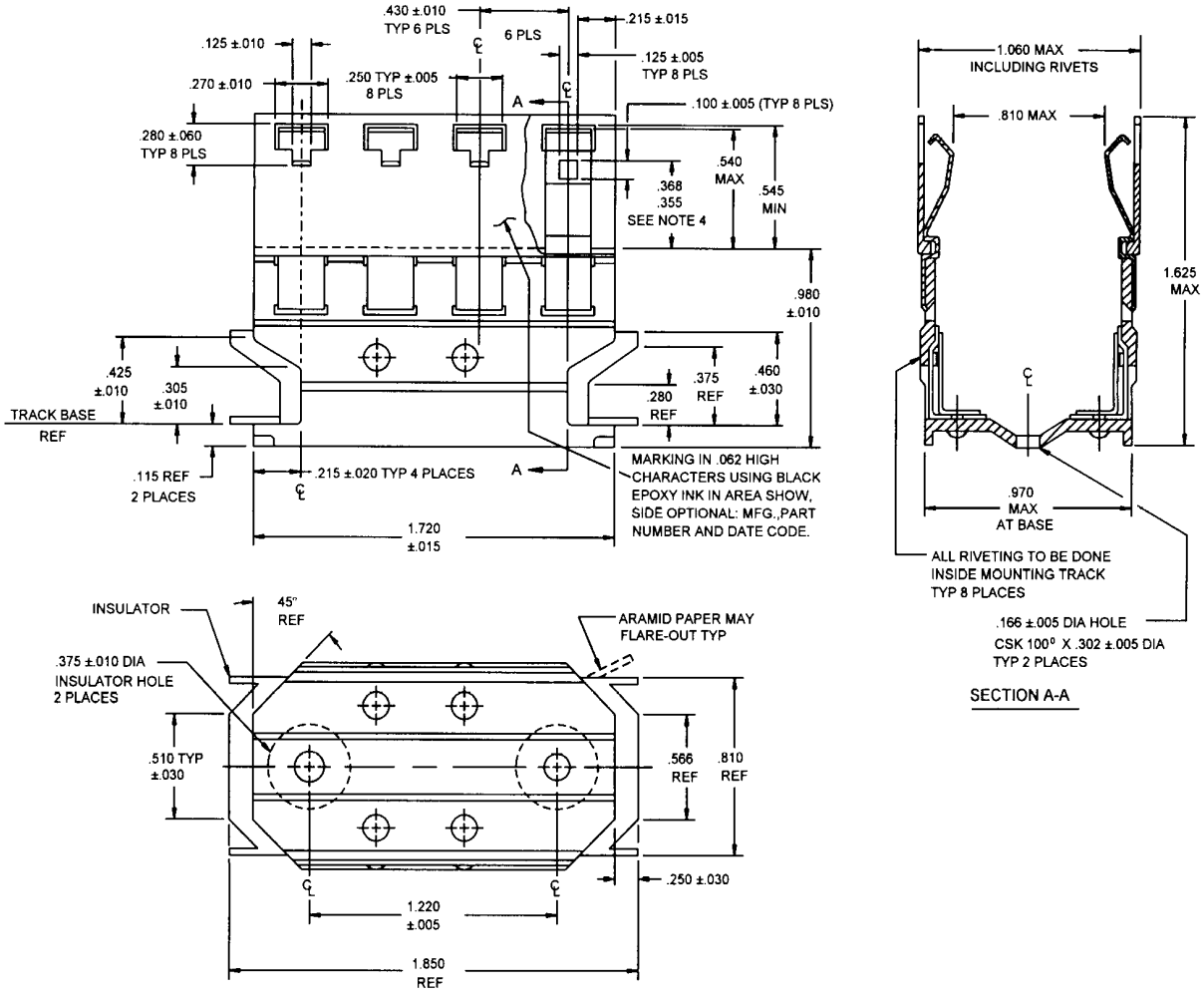


FIGURE 1. Mounting tracks.

Inches	mm	Inches	mm	Inches	mm
.005	0.13	.215	4.46	.510	12.95
.010	0.25	.250	6.35	.540	13.72
.015	0.38	.270	6.86	.545	13.84
.020	0.51	.280	7.11	.566	14.38
.030	0.76	.302	7.67	.810	20.84
.060	1.52	.305	7.75	.970	24.64
.062	1.57	.355	9.02	.980	24.89
.100	2.54	.368	9.35	1.060	26.92
.115	2.92	.375	9.53	1.220	30.99
.125	3.18	.425	10.80	1.625	41.28
.166	4.21	.430	10.92	1.720	43.69
		.460	10.68	1.850	46.99

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are ± .010 (0.25 mm) for three place decimals and ± .030 (0.80 mm) for two place decimals.
4. When measured at .810 (20.57 mm) openings of clips.
5. Inner bracket and outer track shall be riveted together at eight places (4 side 4 bottom). The rivet projection shall not extend beyond the edges of the track 1.060 inch (26.92 mm) maximum).
6. Wiring protector shall extend beyond all metal edges as shown .05 inch (1.27 mm) minimum, .08 inch (2.03 mm) maximum and shall be bonded to the inner bracket with an adhesive that will meet the temperature range indicated in MIL-PRF-6106.

FIGURE 1. Mounting tracks – Continued.

REQUIREMENTS:

Design and construction: See figure 1.

Outer track: The material shall be aluminum alloy (extruded) in accordance with SAE-AMS-QQ-A-225 finish, irradiate chemical conversion coating in accordance with MIL-C-5541, class 3.

Inner bracket and rivets: The material shall be corrosion resistant steel in accordance with ASTM A240 finish, passivate in accordance with SAE-AMS-QQ-P-35.

Latch: The material shall be beryllium copper alloy number C17200 in accordance with ASTM-B 194, heat treated in accordance with ASTM-B 601 temper TH01 minimum.

Wiring protector: The material shall be an aramid paper, in accordance with NEMA FI-3, type 1, .010 inch (0.25 mm) thickness; finish, none.

Mating sockets: M12883/52-001, -002, and –003.

Operating temperature: -70ºC to +125ºC.

Weight: .845 ounce (24 grams) maximum.

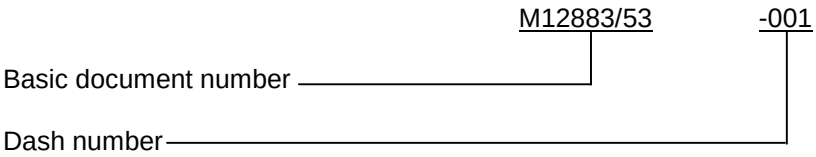
Application data:

With relays mated to sockets attached to the mounting track assembly, the assembly shall meet the applicable mechanical, environmental, and electrical requirements of the applicable relay specifications.

Use tool M6106/32-001 to remove M1288/52 sockets.
Use tool M6106/31-001 to remove relays from this mounting bracket.

Part of Identifying Number (PIN): The PIN shall be marked on the mounting track as shown in the example (see figure 1). The PIN shall consist of the basic number of this specification sheet and the dash number.

Example:



Supersession data: See table I.

TABLE I. Supersession data. 1/

Superseded dash number M6106/25-	Superseding PIN
001	M12883/51-001
002	M12883/51-002
003	M12883/51-003

1/ For Government logistics support, supersession data becomes applicable when a qualified products list becomes available.

The Government PIN, specified in table II, supersedes the following commercial PINs.

TABLE II. Supersession and cross reference.

Active Government PIN	Superseded manufacturers PIN
	CAGE 58982
M12883/53-001	RST145005

CONCLUDING MATERIAL

Custodians:
Army - CR
Navy - EC
Air Force - 11
DLA - CC

Review activities:
Army - MI
Air Force - 99

Preparing activity:
DLA - CC

(Project 5935-4344-18)